

HORMONE ACTION GORDON CONFERENCE

August 14-19, 1994

Sunday, August 14

8:00 p.m. Opening lecture

Robin Lovell-Badge, MRC, Mill Hill, London, England. SRY and mammalian sex determination

Monday, August 15

9:00 a.m. Membrane receptor signaling

Christin Carter-Su, University of Michigan, Ann Arbor, MI. Identification of JAK2 as a signaling molecule in GH/Prl action

Roger Cone, Vollum Institute, Portland, OR. Molecular Genetics of the melanocortin receptors

Rusty Williams, UCSF, San Francisco, CA. FGF receptor signaling

Stuart Schreiber, Harvard University, Boston, MA. A natural products-based approach to understanding and controlling signal transduction

7:30 p.m. Steroid receptor function

Kate Horwitz, University of Colorado, Denver, CO. Progesterone receptors and breast cancer

David Toft, Mayo Clinic, Rochester, MN. Steroid receptor complexes with heat shock proteins and immunophilins

Diane Robins, University of Michigan, Ann Arbor, MI. Androgen-specific gene regulation

Tuesday, August 16

9:00 a.m. Developmental endocrinology

Peter Devreotes, Johns Hopkins University, Baltimore, MD. Molecular genetics of signal transduction in Dictyostelium

Rick Firtel, UCSD, La Jolla, CA. Signaling pathways regulating multicellular development in Dictyostelium

Jeff Rosen, Baylor College of Medicine, Houston, TX. Mammary gland development and carcinogenesis

Günter Schütz, DKFZ, Heidelberg, Germany. Molecular genetic analysis of CREB and glucocorticoid receptor function in development

7:30 p.m. Growth factor in development

David Lee, University of North Carolina, Chapel Hill, NC. Transgenic and mutant mouse models for studies of EGF receptor ligands

Argiris Efstratiadis, Columbia University, New York. Disruption of genes encoding IGFs and their receptors

Ron Rosenfeld, Stanford University, Stanford, CA. Biological Actions of IGF binding proteins

Wednesday, August 17

9:00 a.m. Phosphorylation and signaling

Michael Greenberg, Harvard Medical School, Boston, MA. Neurotrophin and neurotransmitter regulation of immediate early gene expression

Paolo Sassone-Corsi, Strasbourg, France. Nuclear response to cAMP: central role of CREM

Marc Montminy, Salk Institute, La Jolla, CA. Transcriptional regulation by the cAMP pathway

Beverly Errede, University of North Carolina, Chapel Hill, NC. Dynamics of interaction between MAP kinase activation pathways in yeast

7:30 p.m. Neuroendocrinology

Susan Amara, Vollum Institute, Portland, OR. Molecular properties of neurotransmitter uptake systems

Mariel Birnbaumer, Baylor College of Medicine, Houston, TX. Cloning and expression of AVP receptors

David Bredt, UCSF, San Francisco, CA. Nitric oxide signaling in neuronal development

Thursday, August 18

9:00 a.m. Intracellular Signaling

Roger Tsien, UCSD, La Jolla, CA. New control mechanisms and visualization techniques for intracellular messengers

Heidi Hamm, University of Illinois College of Medicine, Chicago, IL. Interactions between G proteins and effector molecules

Randy Reed, Johns Hopkins University, Baltimore, MD. Genetic regulation of olfactory transduction pathways

Rich Maurer, Oregon Health Sciences University, Portland, OR. Second messenger regulated transcription in pituitary cells

7:30 p.m. Special Session: Analysis of signaling from single cells to complex neural networks using electrophysiological techniques

Bertil Hille, University of Washington, Seattle, WA. Hormone-stimulated IP₃, calcium oscillations, and exocytosis in pituitary gonadotropes

Eric Kandel, Columbia University, New York, NY. Second messengers and gene induction in memory and learning

Friday, August 19

9:00 a.m. Steroid biosynthesis and action

Mike Waterman, Vanderbilt University, Nashville, TN. Regulation of steroid hormone biosynthetic genes

Michel Sanders, University of Minnesota, Minneapolis, MN. Positive and negative response elements in steroid regulation of the ovalbumin gene

David Shapiro, University of Illinois, Urbana, IL. DNA bending and mRNA stabilization in steroid receptor control of gene expression